

ABSTRACT

A diesel engine including a shallow-dish type combustion chamber on the top face of a piston. A fuel injection valve projects toward the combustion chamber, where a plurality of first nozzle holes are arranged in the same circumference of the fuel injection valve. A plurality of second nozzle holes having a diameter smaller than that of the first nozzle holes are provided in a circular side wall of the fuel injection valve, the circular side wall locating opposite to the tip part of the valve with respect to the first nozzle holes. The first nozzle holes and the second nozzle holes are staggered so that the sprays of the fuel ejected from the first nozzle holes and the second nozzle holes do not cross one another.